



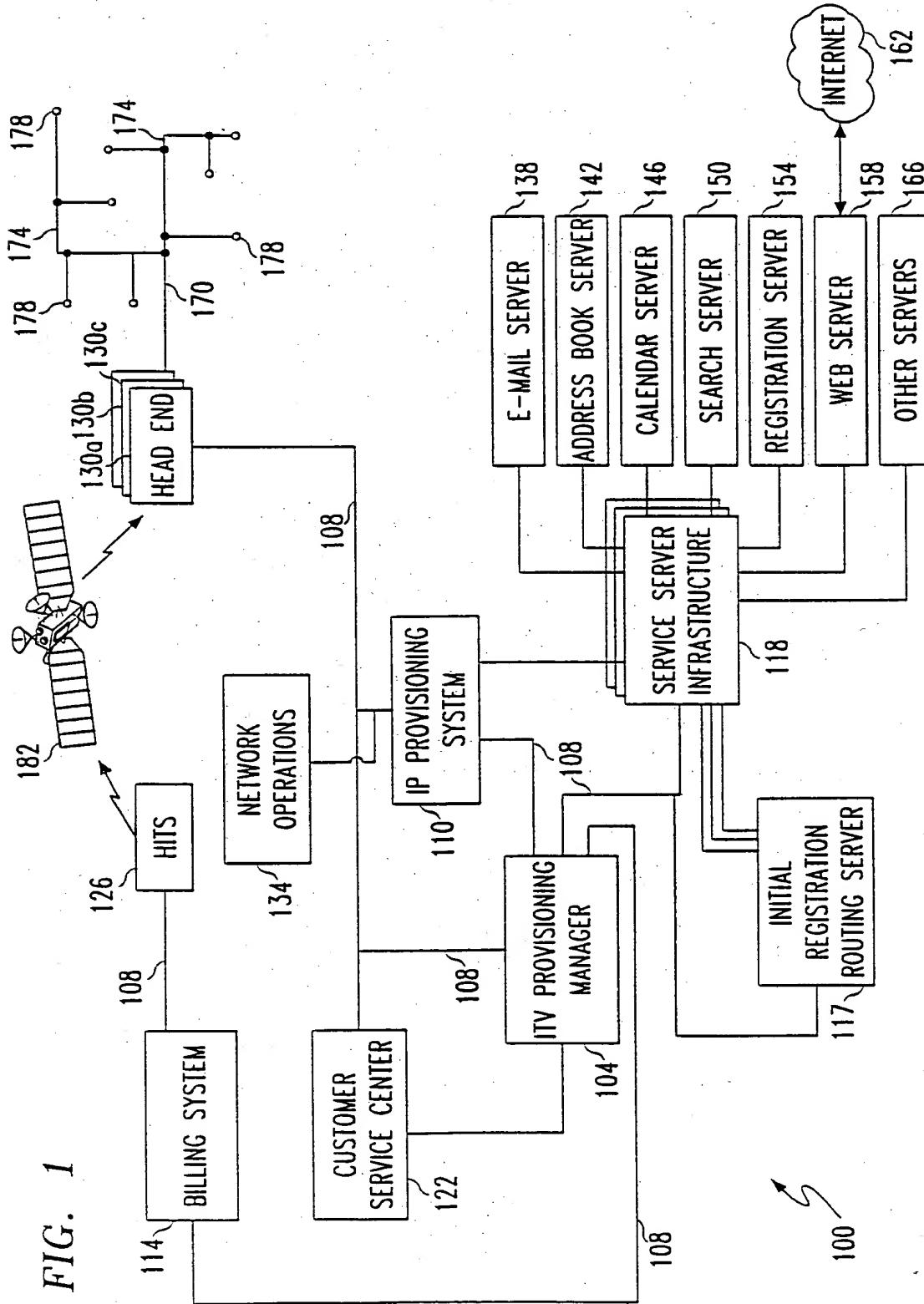
Title: Method and Apparatus for Managing the Provisioning of Client Devices Connected to an Interactive TV Network

First Named Inventor: Brian Joseph Donlan

Application Serial No.: 09/671,329/Atty. Docket No.: 2000-0279 (ATTB 0121 PUS)

1/13

FIG. 1



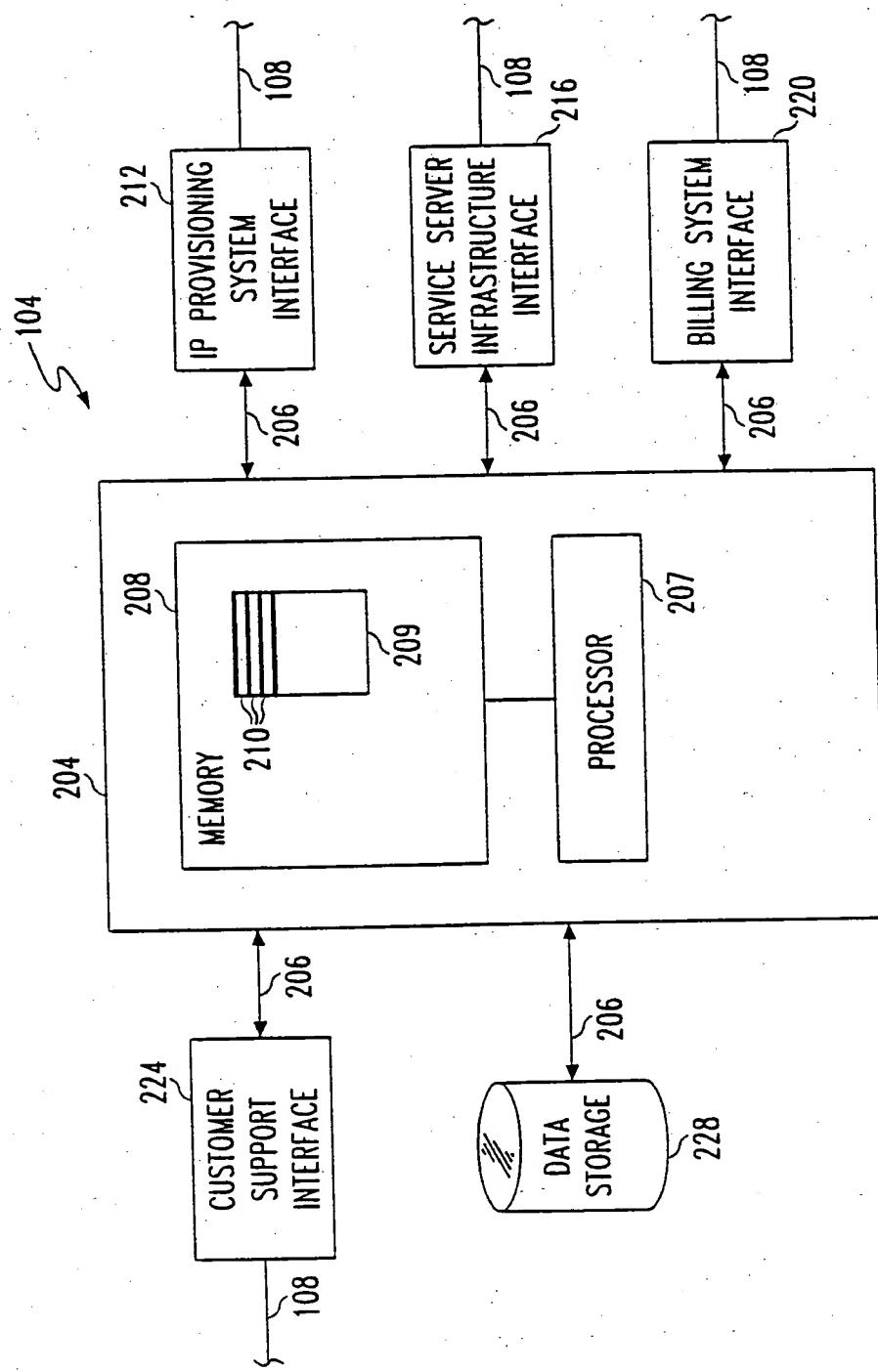


FIG. 2

3

FIG.

ELEMENT	FORMAT	SIZE	DESCRIPTION
SUBSCRIBER_ID	NUMERIC		CGC ASSIGNED UNIQUE ITV KEY IDENTIFYING A SUBSCRIBER/ACCOUNT.
SUBSCRIBER_STATE	LITERAL	10	SUBSCRIBER ACCOUNT STATE (ACTIVE, SUSPENDED)
SUBSCRIBER_NAME.LAST	ALPHA		SUBSCRIBER'S LAST NAME
SUBSCRIBER_NAME.FIRST	ALPHA		SUBSCRIBER'S FIRST NAME
SUBSCRIBER_ADDRESS.STREET1	A/N		SUBSCRIBER'S RESIDENCE STREET1
SUBSCRIBER_ADDRESS.STREET2	A/N		SUBSCRIBER'S RESIDENCE STREET2
SUBSCRIBER_ADDRESS.CITY	A/N		SUBSCRIBER'S RESIDENCE CITY
SUBSCRIBER_ADDRESS.STATE	A/N	2	SUBSCRIBER'S RESIDENCE STATE
SUBSCRIBER_ADDRESS.ZIP	A/N	10	SUBSCRIBER'S RESIDENCE POSTAL ZIP CODE
SUBSCRIBER_HEADEND.ID	A/N		IDENTIFIER SPECIFYING TO WHICH HEADEND A SUBSCRIBER IS CONNECTED
SUBSCRIBER_HEADEND.NODE	A/N		IDENTIFIES TO WHICH NODE ON A HEADEND A SUBSCRIBER IS CONNECTED
SUBSCRIBER_SERVICE.TYPE	A/N	16	A SUBSCRIBER SERVICE TYPE
SUBSCRIBER_SERVICE.LEVEL	A/N	16	A SUBSCRIBER SERVICE LEVEL
SERVICE_GROUP	NUMERIC		THE SERVICE SERVER INFRASTRUCTURE DEFINED SERVICE GROUP ASSOCIATED WITH THE SUBSCRIBER
MSTV_SUBSCRIBER_ID	NUMERIC		THE SERVICE SERVER INFRASTRUCTURE DEFINED UNIQUE KEY ASSOCIATE WITH THE SUBSCRIBER

FIG. 4

ELEMENT	FORMAT	SIZE	DESCRIPTION
USER_ID	NUMERIC	11	ITV PM UNIQUE KEY IDENTIFYING A USER
USER_STATE	LITERAL	10	USER STATE (ACTIVE, SUSPENDED)
USER_TYPE	LITERAL	10	TYPE OF USER (MASTER, HOUSEHOLD, NORMAL)
USER.NAME.LAST	ALPHA		USER'S LAST NAME
USER.NAME.FIRST	ALPHA		USER'S FIRST NAME
USER_ALIAS	ALPHA		USER'S ALIAS (E.G. "DAD", "MOM") WHICH MUST BE UNIQUE ONLY WITHIN A HOUSEHOLD/SUBSCRIBER
USER.PIN	NUMERIC	8	USER'S PERSONAL IDENTIFICATION NUMBER WHICH IS USED FOR AUTHENTICATION WITH THE ITV SYSTEM
USER.EMAIL.ID	A/N		USER'S EMAIL ADDRESS, FULLY QUALIFIED (E.G. SMITH@ATT.NET)
USER.EMAIL.PASSWORD	A/N		USER'S EMAIL PASSWORD, USED TO AUTHENTICATE WITH MAIL AND RELATED SERVICES
USER.CALENDAR.ID	A/N		USER'S CALENDAR ID. FOR FCS THIS WILL BE THE SAME AS EMAIL ID
USER.CALENDAR.PASSWORD	A/N		USER'S CALENDAR PASSWORD, USED TO AUTHENTICATE WITH THE CALENDAR SERVICE
USER.ADDRESS_BOOK.ID	A/N		UNIQUE ADDRESS BOOK IDENTIFIER
USER.SERVICE.TYPE	A/N	16	A SUBSCRIBER SERVICE TYPE
USER.SERVICE.LEVEL	A/N	16	A SUBSCRIBER SERVICE LEVEL
MSTV_USER_ID	NUMERIC		THE SERVICE SERVER INFRASTRUCTURE DEFINED UNIQUE KEY ASSOCIATED WITH THE USER

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5/13

ELEMENT	FORMAT	SIZE	DESCRIPTION
ASTB_ID	A/N		ITV PM UNIQUE SET-TOP BOX KEY
ASTB.UNIT_ADDRESS	A/N		MOTOROLA/GI UNIQUE "UNIT ADDRESS"
ASTB.MAC_ADDRESS	A/N	17	MOTOROLA/GI UNIQUE MAC ADDRESS FOR ASTB CPE
MSTV_DEVICE_ID	NUMERIC		SERVICE SERVER INFRASTRUCTURE DEFINED UNIQUE KEY ASSOCIATED WITH THE STEP-TOP BOX

FIG. 5

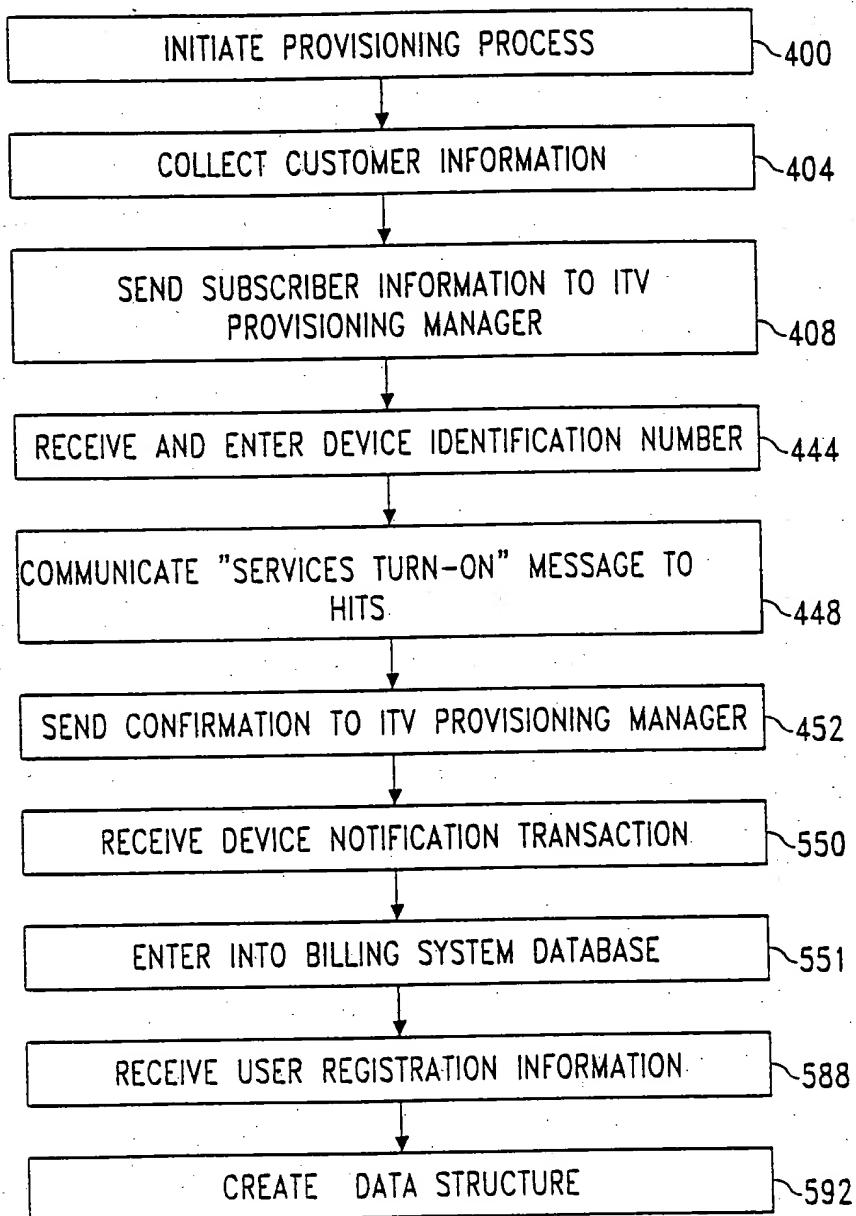


FIG. 6

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Application Serial No.: 09/671,329/Atty. Docket No.: 2000-0279 (ATTB 0121 PUS)

7/13

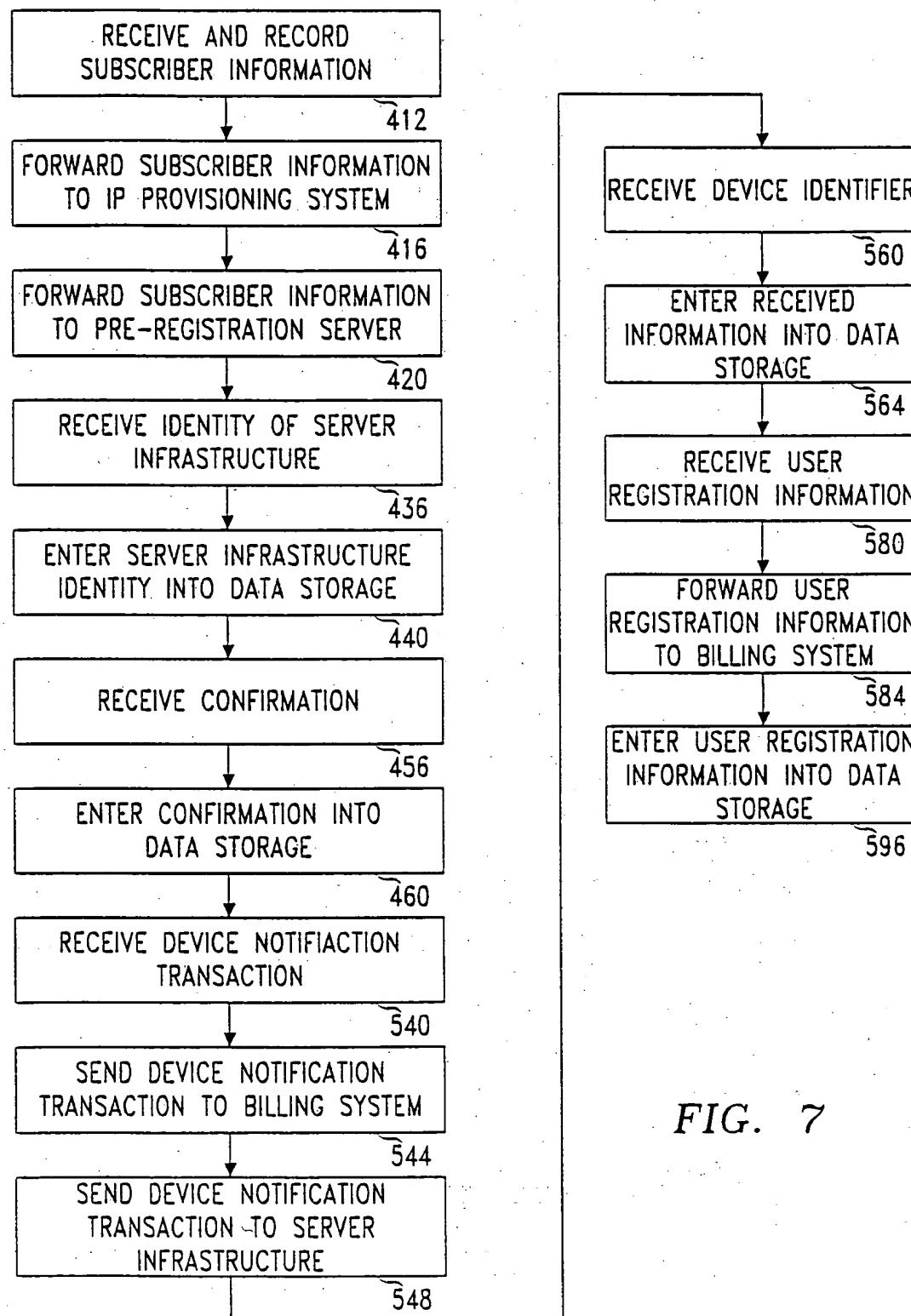


FIG. 7

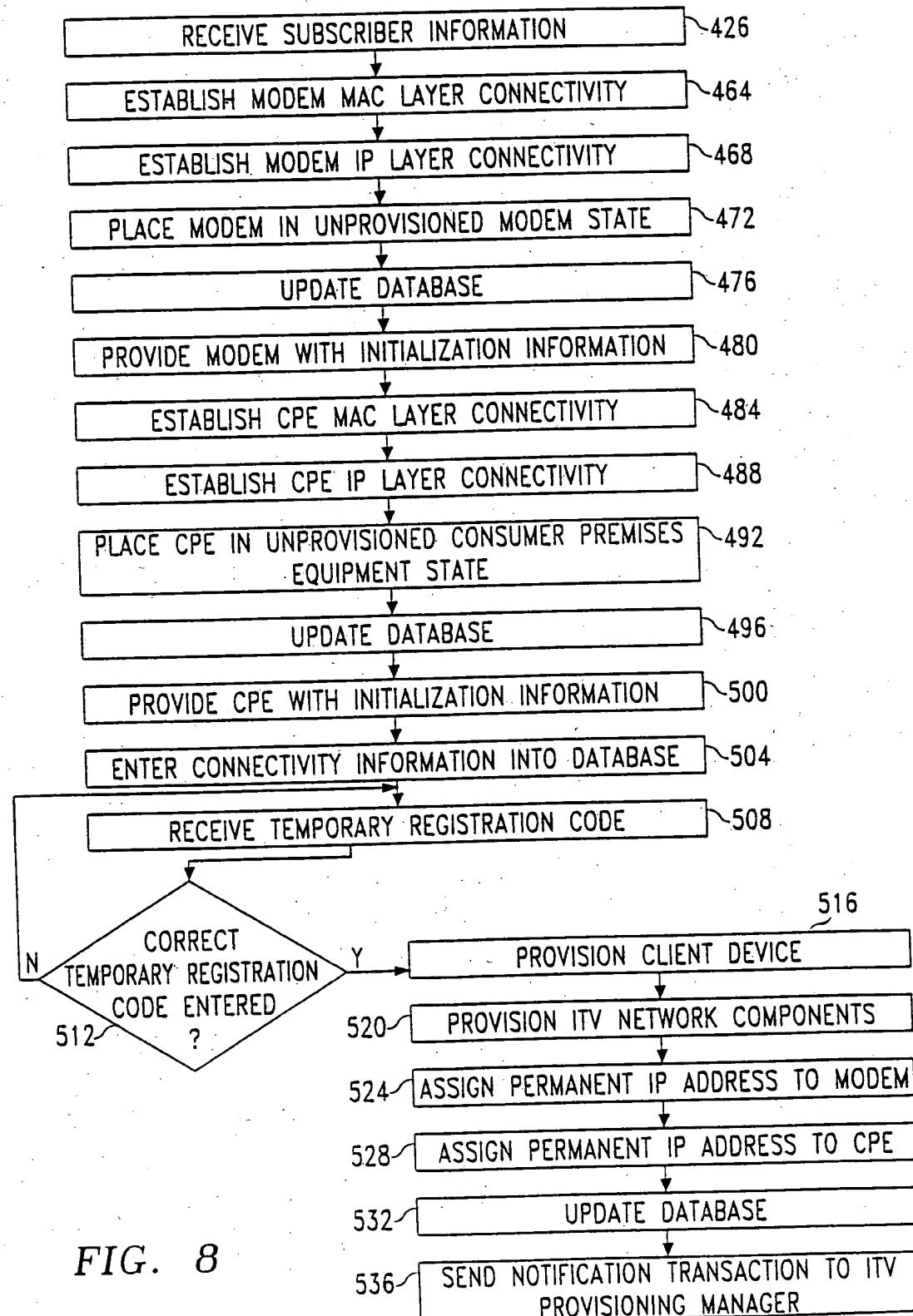


FIG. 8

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Application Serial No.: 09/671,329/Atty. Docket No.: 2000-0279 (ATTB 0121 PUS)

9/13

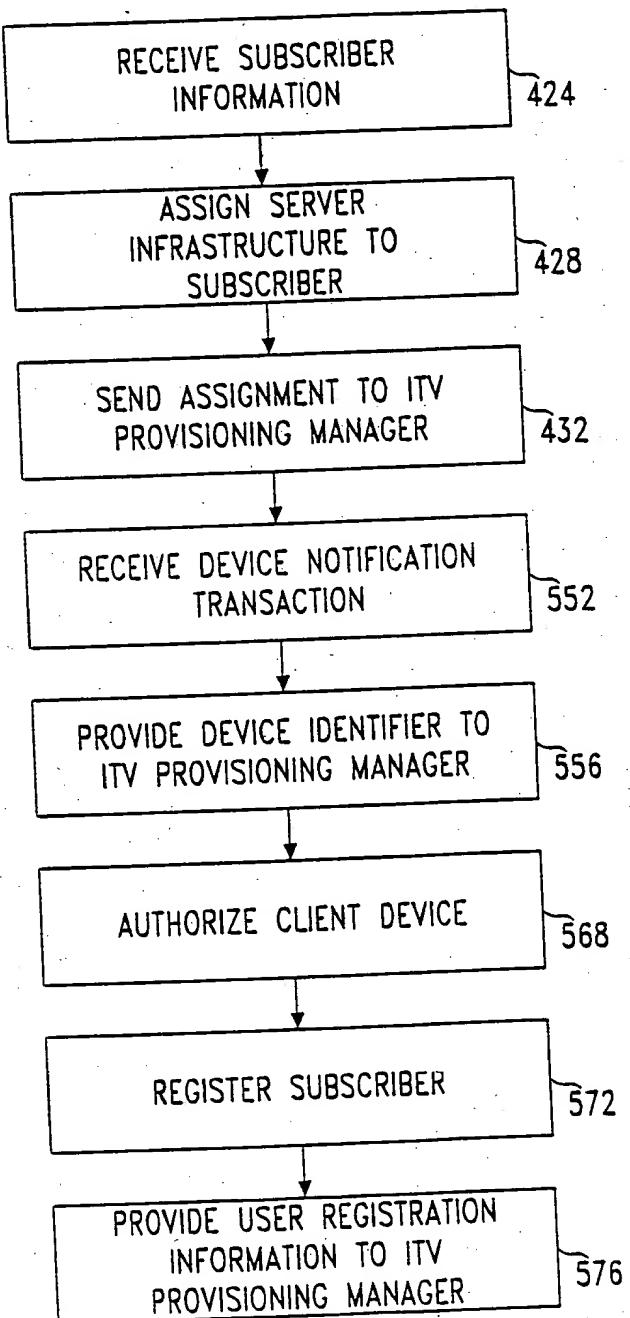


FIG. 9

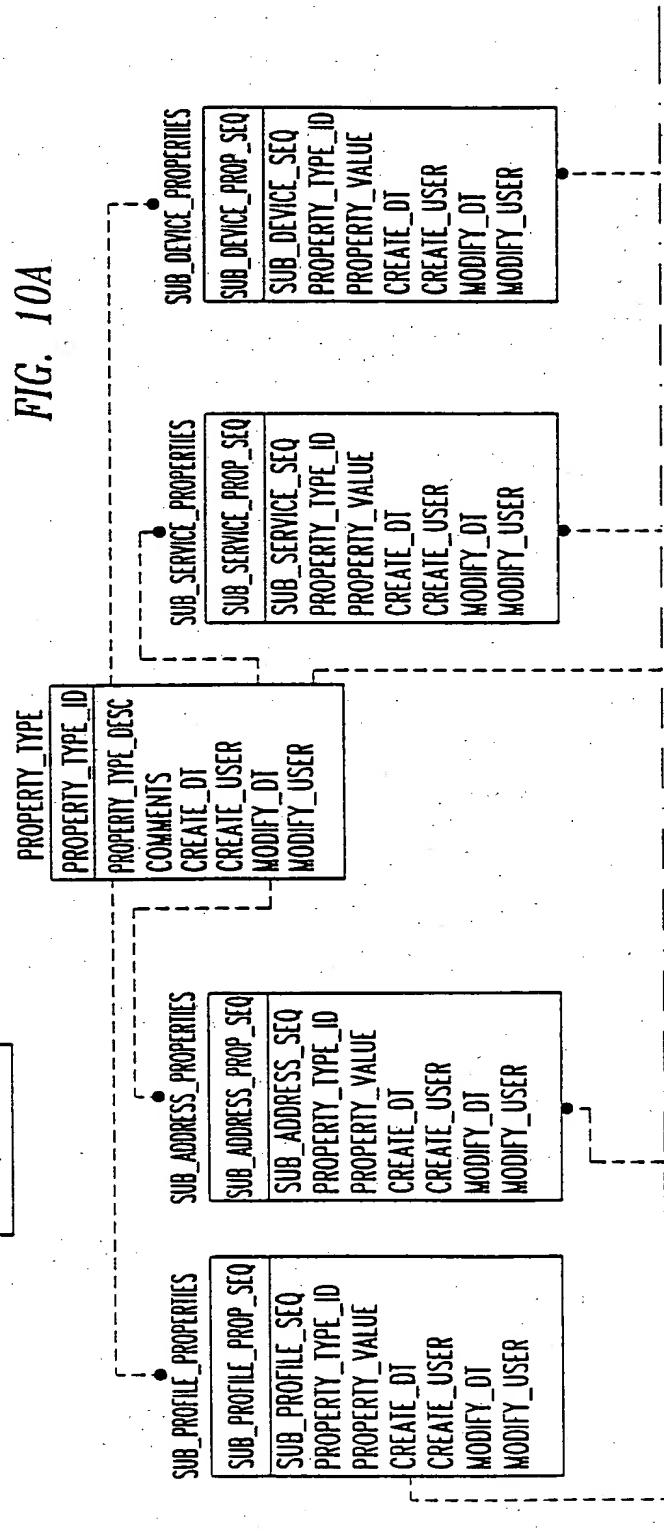
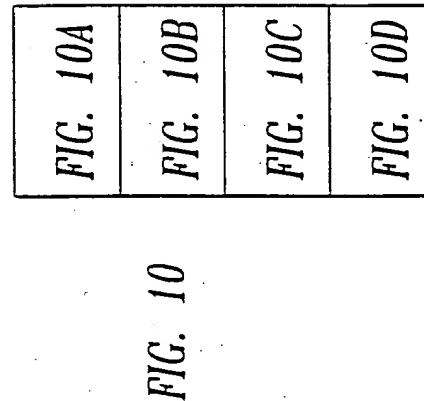
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10/13



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11/13

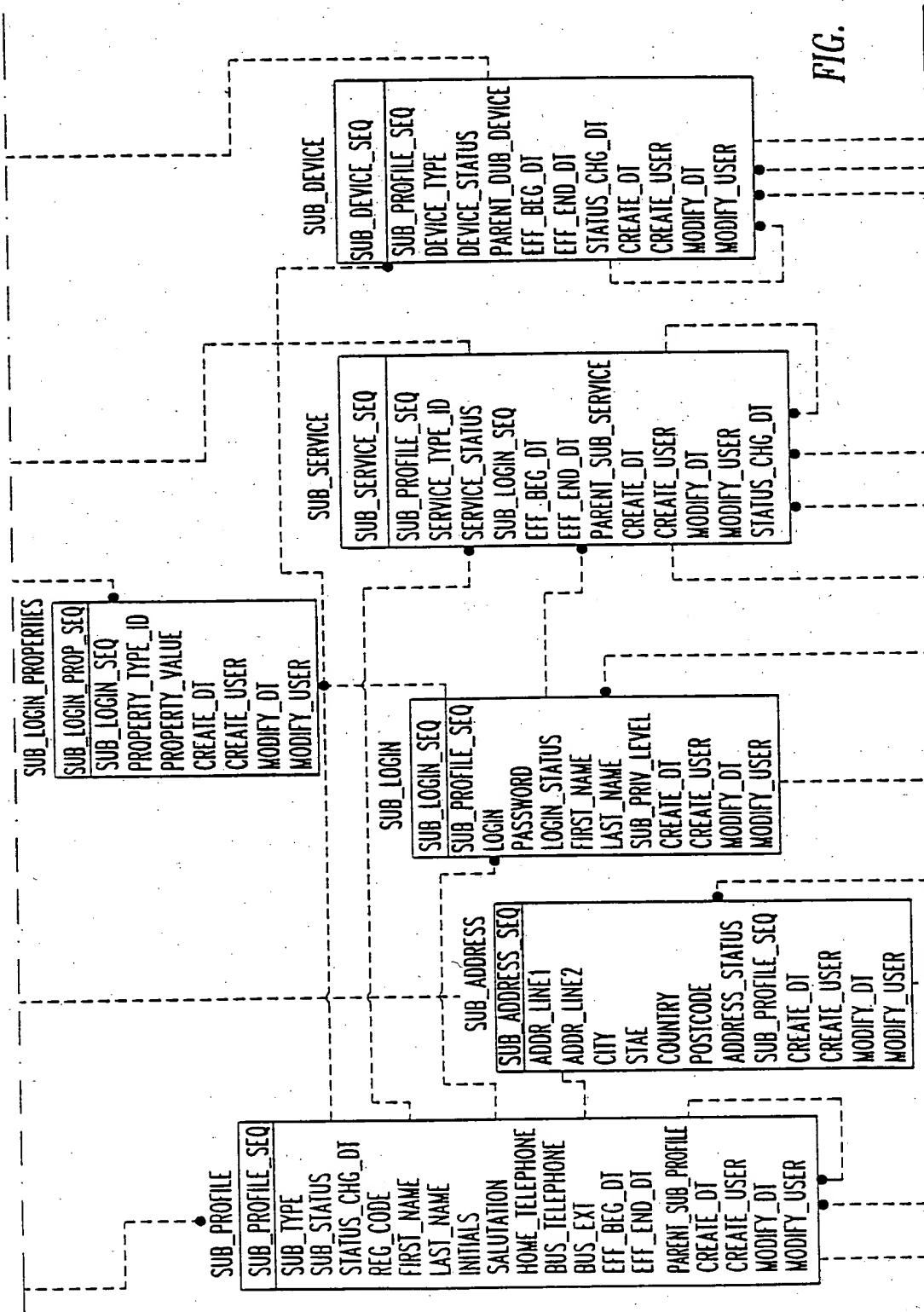


FIG. 10B

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Application Serial No.: 09/671,329/Atty. Docket No.: 2000-0279 (ATTB 0121 PUS)

12/13

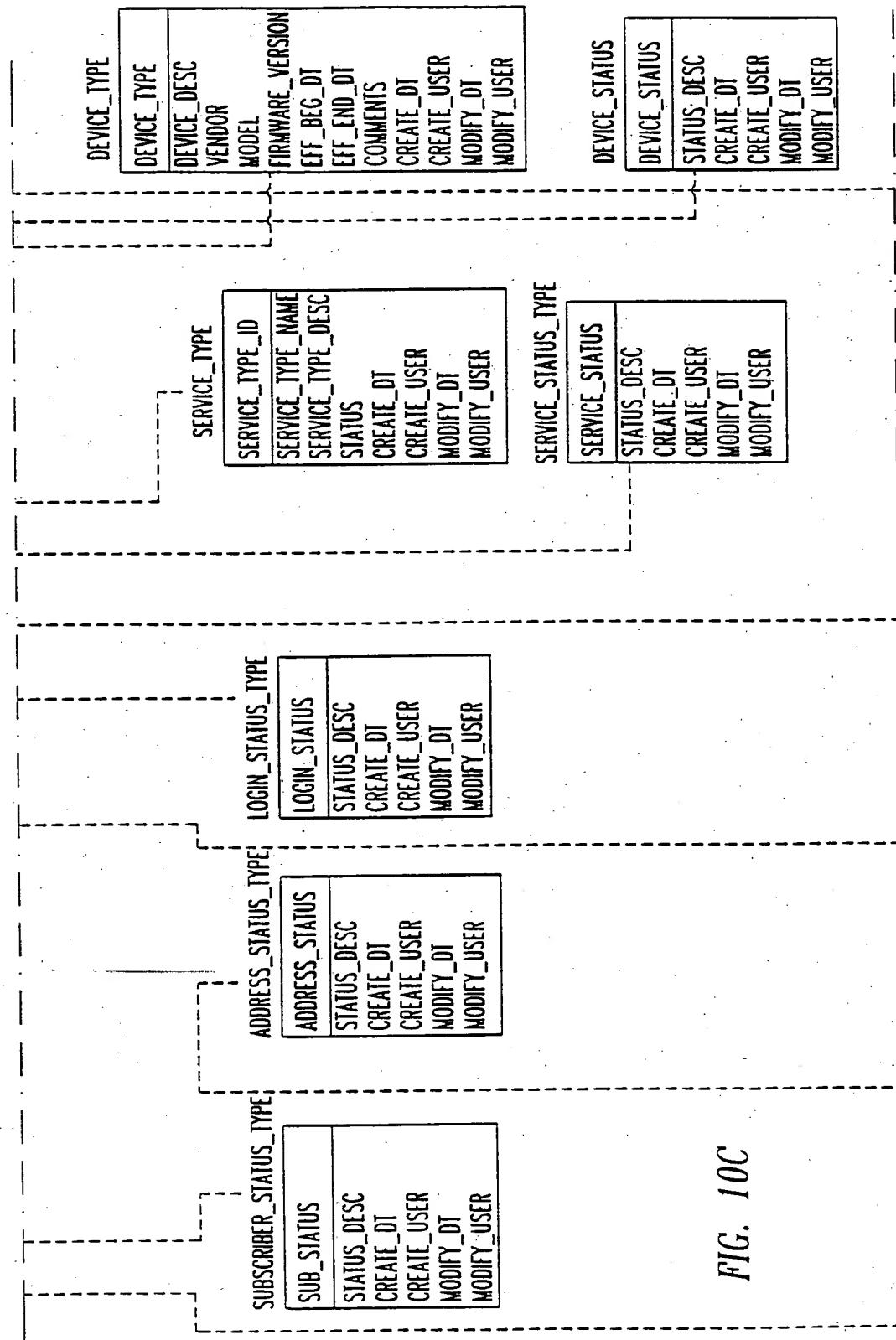


FIG. 10C

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13/13

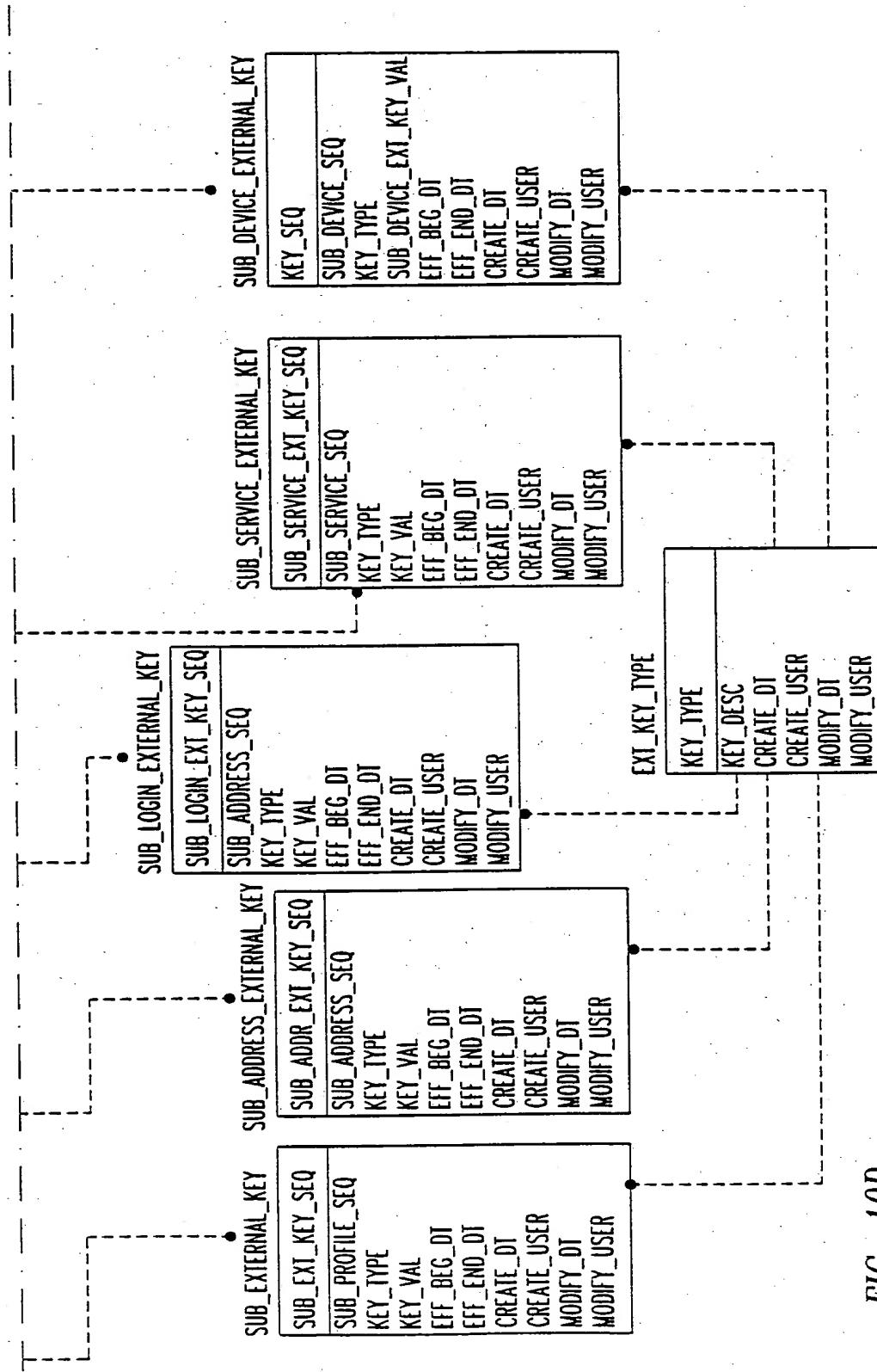


FIG. 10D